

## SEQUENCE TABLE

Sequence number : 1

Sequence length : 21

Sequence type : PRT

Other information : SP of HLA-E

Sequence

Met Val Asp Gly Thr Leu Leu Leu Leu Ser Glu Ala Leu Ala  
Leu Thr Gln Thr Trp Ala

Sequence number : 2

Sequence length : 90

Sequence type : PRT

Other information :  $\alpha$ 1 domain of HLA-E

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ser Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 3

Sequence length : 92

Sequence type : PRT

Other information :  $\alpha$ 2 domain of HLA-E

Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala

Val Asp Thr Ala Ala Gln Ile Ser Glu Gln Lys Ser Asn Asp Ala  
Ser Glu Ala Glu His Gln Arg Ala Tyr Leu Glu Asp Thr Cys Val  
Glu Trp Leu His Lys Tyr Leu Glu Lys Gly Lys Glu Thr Leu Leu  
His Leu

Sequence number : 4  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain of HLA-E

Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 5  
Sequence length : 63  
Sequence type : PRT  
Other information : Transmembrane domain of HLA-E

Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser  
His Ser Leu \*

Sequence number : 6

Sequence length : 63  
Sequence type : DNA  
Other information : SP of HLA-E

Sequence

atggtagatg gaaccctcct ttactcctc tcggaggccc tggcccttac ccagacctgg 60  
gcg

Sequence number : 7  
Sequence length : 270  
Sequence type : DNA  
Other information :  $\alpha$ 1 domain of HLA-E

Sequence

ggctcccact ccttgaagta ttccacact tccgtgtccc ggcccggccg cggggagccc 60  
cgcttcattc ctgtgggcta cgtggacgac acccagttcg tgcgttcga caacgacgcc 120  
gcgagtccga ggatgggtgcc gcgggcccgc tggatggagc aggaggggtc agagtattgg 180  
gaccgggaga cacggagcgc cagggacacc gcacagattt tccgagtga tctgcggacg 240  
ctgcgcggct actacaatca gagcgaggcc

Sequence number : 8  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 2 domain of HLA-E

Sequence

gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccgcacg gcgcttcctc 60  
cgcggttatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg 120  
cgctcctgga ccgcggtgga cacggcggct cagatctccg agcaaaagtc aaatgatgcc 180  
tctgaggcgg agcaccagag agcctacctg gaagacacat gcgtggagtg gctccacaaa 240  
tacctggaga aggggaagga gacgtgctt cacctg

Sequence number : 9

Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 3 domain of HLA-E

Sequence

```
gagccccc aa agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg      60
tgctggggccc tgggcttcta ccctgcggag atcacactga cctggcagca ggatggggag      120
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag      180
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag      240
catgaggggc tacccgagcc cgtcaccctg agatgg
```

Sequence number : 10  
Sequence length : 192  
Sequence type : DNA  
Other information : Transmembrane domain of HLA-E

Sequence

```
aagccggctt cccagcccac catcccatc gtgggcatca ttgctggcct ggttctcctt      60
ggatctgtgg tctctggagc tgtggttgc tctgtgatat ggaggaagaa gagctcaggt      120
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccaggg gtctgagtct      180
cacagcttgt aa
```

Sequence number : 11  
Sequence length : 24  
Sequence type : PRT  
Other information : SP of HLA-G1

Sequence

Met Val Val Met Ala Pro Arg Thr Leu Phe Leu Leu Leu Ser Gly  
Ala Leu Thr Leu Thr Glu Thr Trp Ala

Sequence number : 12  
Sequence length : 90

Sequence type : PRT

Other information :  $\alpha$ 1 domain of HLA-G1

Sequence

Gly Ser His Ser Met Arg Tyr Phe Ser Ala Ala Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ala Met Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Ser Asp Ser Ala Cys Pro Arg Met  
Glu Pro Arg Ala Pro Trp Val Glu Gln Glu Gly Pro Glu Tyr Trp  
Glu Glu Glu Thr Arg Asn Thr Lys Ala His Ala Gln Thr Asp Arg  
Met Asn Leu Gln Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 13

Sequence length : 92

Sequence type : PRT

Other information :  $\alpha$ 2 domain of HLA-G1

Sequence

Ser Ser His Thr Leu Gln Trp Met Ile Gly Cys Asp Leu Gly Ser  
Asp Gly Arg Leu Leu Arg Gly Tyr Glu Gln Tyr Ala Tyr Asp Gly  
Lys Asp Tyr Leu Ala Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Ala Asp Thr Ala Ala Gln Ile Ser Lys Arg Lys Cys Glu Ala Ala  
Asn Val Ala Glu Gln Arg Arg Ala Tyr Leu Glu Gly Thr Cys Val  
Glu Trp Leu His Arg Tyr Leu Glu Asn Gly Lys Glu Met Leu Gln  
Arg Ala

Sequence number : 14

Sequence length : 92

Sequence type : PRT

Other information :  $\alpha$ 3 domain of HLA-G1

Sequence

Asp Pro Pro Lys Thr His Val Thr His His Pro Val Phe Asp Tyr  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu

Ile Ile Leu Thr Trp Gln Arg Asp Gly Glu Asp Gln Thr Gln Asp  
Val Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Leu Met Leu  
Arg Trp

Sequence number : 15

Sequence length : 40

Sequence type : PRT

Other information : Transmembrane domain of HLA-G1

Sequence

Lys Gln Ser Ser Leu Pro Thr Ile Pro Ile Met Gly Ile Val Ala  
Gly Leu Val Val Leu Ala Ala Val Val Thr Gly Ala Ala Val Ala  
Ala Val Leu Trp Arg Lys Lys Ser Ser Asp \*

Sequence number : 16

Sequence length : 72

Sequence type : DNA

Other information : SP of HLA-G1

Sequence

atggtggtca tggcgccccg aacctcttc ctgtgtctct cgggggcct gacctgacc 60  
gagacctggg cg

Sequence number : 17

Sequence length : 270

Sequence type : DNA

Other information :  $\alpha$ 1 domain of HLA-G1

Sequence

ggctccact ccatgaggta tttcagcgcc gccgtgtccc ggcccggccg cggggagccc 60  
cgcttcacg ccatgggcta cgtggacgac acgcagttcg tgcggttcga cagcgactcg 120

gcgtgtccga ggatggagcc gcgggcgccg tgggtggagc aggagggggcc agagtattgg 180  
gaagaggaga cacggaacac caaggcccac gcacagactg acagaatgaa cctgcagacc 240  
ctgcgcggct actacaacca gagcgaggcc

Sequence number : 18  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 2 domain of HLA-G1

Sequence

agttctcaca ccctccagtg gatgattggc tgcgacctgg ggtccgacgg tcgcctcctc 60  
cgcggttatg aacagtatgc ctacgatggc aaggattacc tcgcctgaa cgaggacctg 120  
cgctcctgga ccgcagcgga cactgcggct cagatctcca agcgcaagtg tgaggcggcc 180  
aatgtggctg aacaaaggag agcctacctg gagggcacgt gcgtggagtg gctccacaga 240  
tacctggaga acgggaagga gatgctgcag cgcgcg

Sequence number : 19  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 3 domain of HLA-G1

Sequence

gacccccca agacacacgt gaccaccac cctgtctttg actatgaggc caccctgagg 60  
tgctgggccc tgggcttcta ccctgcggag atcatactga cctggcagcg ggatggggag 120  
gaccagaccc aggacgtgga gctcgtggag accaggcctg caggggatgg aaccttcag 180  
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag 240  
catgaggggc tgccggagcc cctcatgctg agatgg

Sequence number : 20  
Sequence length : 123  
Sequence type : DNA  
Other information : Transmembrane domain of HLA-G1

Sequence

aagcagtctt ccctgccac catcccatc atgggtatcg ttgctggcct ggttgcctt 60  
gcagctgtag tcaactggagc tgcggtcgct gctgtgctgt ggagaaagaa gagctcagat 120  
tga

Sequence number : 21

Sequence length : 24

Sequence type : PRT

Other information : Reformed SP

Sequence

Met Ala Val Met Ala Pro Arg Thr Leu Val Leu Leu Ser Gly  
Ala Leu Thr Leu Thr Glu Thr Trp Ala

Sequence number : 22

Sequence length : 90

Sequence type : PRT

Other information :  $\alpha$ 1 domain

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ser Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 23

Sequence length : 92

Sequence type : PRT

Other information :  $\alpha$ 2 domain

Sequence



Ser Ser His Thr Leu Gln Trp Met Ile Gly Cys Asp Leu Gly Ser  
Asp Gly Arg Leu Leu Arg Gly Tyr Glu Gln Tyr Ala Tyr Asp Gly  
Lys Asp Tyr Leu Ala Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Ala Asp Thr Ala Ala Gln Ile Ser Lys Arg Lys Cys Glu Ala Ala  
Asn Val Ala Glu Gln Arg Arg Ala Tyr Leu Glu Gly Thr Cys Val  
Glu Trp Leu His Arg Tyr Leu Glu Asn Gly Lys Glu Met Leu Gln  
Arg Ala

Sequence number : 24  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain

Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 25  
Sequence length : 63  
Sequence type : PRT  
Other information : Transmembrane domain

Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser

His Ser Leu \*

Sequence number : 26

Sequence length : 72

Sequence type : DNA

Other information : Reformed SP

Sequence

atggcgggtca tggcgccccg aaccctcgtc ctgctactct cggggggccct gaccctgacc 60  
gagacctggg cg

Sequence number : 27

Sequence length : 270

Sequence type : DNA

Other information :  $\alpha$ 1 domain

Sequence

ggctcccact ccttgaagta tttccacact tccgtgtccc ggcccggccg cggggagccc 60  
cgcttcactct ctgtgggcta cgtggacgac acccagttcg tgcgcttca caacgacgcc 120  
gcgagtccga ggatggtgcc gcgggcccgc tggatggagc aggagggggtc agagtattgg 180  
gaccgggaga cacggagcgc cagggaacac gcacagattt tccgagtga tctgcggacg 240  
ctgcgcggct actacaatca gacgaggcc

Sequence number : 28

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha$ 2 domain

Sequence

agttctcaca ccctccagtg gatgattggc tgcgacctgg ggtccgacgg tcgcctcctc 60  
cgcggttatg aacagtatgc ctacgatggc aaggattacc tcgccctgaa cgaggacctg 120  
cgctcctgga ccgcagcggc cactgcggct cagatctcca agcgcaagtg tgaggcggcc 180  
aatgtggctg aacaaaggag agcctacctg gagggcacgt gcgtggagtg gctccacaga 240

tacctggaga acgggaagga gatgctgcag cgcgcg

Sequence number : 29  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 3 domain

Sequence

```
gagccccaa agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg      60
tgctggggccc tgggcttcta ccctgcgag atcacactga cctggcagca ggatggggag      120
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag      180
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag      240
catgaggggc tacccgagcc cgtcacctg agatgg
```

Sequence number : 30  
Sequence length : 192  
Sequence type : DNA  
Other information : Transmembrane domain

Sequence

```
aagccggctt cccagcccac catccccatc gtgggcatca ttgctggcct ggttctcctt      60
ggatctgtgg tctctggagc tgtggtgct gctgtgatat ggaggaagaa gagctcaggt      120
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccaggg gtctgagtct      180
cacagcttgt aa
```

Sequence number : 31  
Sequence length : 24  
Sequence type : PRT  
Other information : Reformed SP

Sequence

Met Ala Val Met Ala Pro Arg Thr Leu Val Leu Leu Leu Ser Gly  
Ala Leu Thr Leu Thr Glu Thr Trp Ala

Sequence number : 32  
Sequence length : 90  
Sequence type : PRT  
Other information :  $\alpha$ 1 domain

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ser Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 33  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 2 domain

Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Val Asp Thr Ala Ala Gln Ile Ser Lys Arg Lys Cys Glu Ala Ala  
Asn Val Ala Glu Gln Arg Arg Ala Tyr Leu Glu Gly Thr Cys Val  
Glu Trp Leu His Arg Tyr Leu Glu Asn Gly Lys Glu Met Leu Gln  
Arg Ala

Sequence number : 34  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain

#### Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 35

Sequence length : 63

Sequence type : PRT

Other information : Transmembrane domain

#### Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser  
His Ser Leu \*

Sequence number : 36

Sequence length : 72

Sequence type : DNA

Other information : Reformed SP

#### Sequence

atggcgggtca tggcgccccg aaccctcgtc ctgctactct cggggggccct gaccctgacc 60  
gagacctggg cg

Sequence number : 37

Sequence length : 270

Sequence type : DNA  
Other information :  $\alpha$ 1 domain

Sequence

```
ggctccact ccttgaagta ttccacact tccgtgtccc ggcccggccg cggggagccc      60
cgcttcact ctgtgggcta cgtggacgac acccagttcg tgcgcttcga caacgacgcc      120
gcgagtccga ggatggtgcc gcgggcccgc tggatggagc aggaggggtc agagtattgg      180
gaccgggaga cacggagcgc cagggacacc gcacagattt tccgagtga tctgcggacg      240
ctgcgcggct actacaatca gagcgaggcc
```

Sequence number : 38  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 2 domain

Sequence

```
gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccgcacag gcgcttcctc      60
cgcgggatatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg      120
cgctcctgga ccgcggtgga cactgcggct cagatctcca agcgcaagtg tgaggcggcc      180
aatgtggctg aacaaaggag agcctacctg gagggcacgt gcgtggagtg gctccacaga      240
tacctggaga acgggaagga gatgctgcag cgcgcg
```

Sequence number : 39  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 3 domain

Sequence

```
gagcccccac agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg      60
tgctggggccc tgggcttcta ccctgcggag atcacactga cctggcagca ggatggggag      120
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag      180
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag      240
catgaggggc tacccgagcc cgtcaccctg agatgg
```

Sequence number : 40  
Sequence length : 192  
Sequence type : DNA  
Other information : Transmembrane domain

Sequence

aagccggctt cccagccac catcccatc gtgggcatca ttgctggcct ggttctcctt 60  
ggatctgtgg tctctggagc tgtggttgct gctgtgatat ggaggaagaa gagctcaggt 120  
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccagggt gtctgagtct 180  
cacagcttgt aa

Sequence number : 41  
Sequence length : 24  
Sequence type : PRT  
Other information : Reformed SP

Sequence

Met Ala Val Met Ala Pro Arg Thr Leu Val Leu Leu Leu Ser Gly  
Ala Leu Thr Leu Thr Glu Thr Trp Ala

Sequence number : 42  
Sequence length : 90  
Sequence type : PRT  
Other information :  $\alpha$ 1 domain

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ser Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 43  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 2 domain

Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Val Asp Thr Ala Ala Gln Ile Ser Lys Arg Lys Cys Glu Ala Ala  
Ser Glu Ala Glu His Gln Arg Ala Tyr Leu Glu Asp Thr Cys Val  
Glu Trp Leu His Lys Tyr Leu Glu Lys Gly Lys Glu Thr Leu Leu  
His Leu

Sequence number : 44  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain

Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 45  
Sequence length : 63  
Sequence type : PRT



Other information : Transmembrane domain

Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser  
His Ser Leu \*

Sequence number : 46

Sequence length : 72

Sequence type : DNA

Other information : Reformed SP

Sequence

atggcggtca tggcgccccg aaccctcgtc ctgctactct cgggggcctt gacctgacc 60  
gagacctggg cg

Sequence number : 47

Sequence length : 270

Sequence type : DNA

Other information :  $\alpha$ 1 domain

Sequence

ggctccact ccttgaagta tttccacact tccgtgtccc ggcccggccg cggggagccc 60  
cgcttcatt ctgtgggcta cgtggacgac acccagttcg tgcgcttcga caacgacgcc 120  
gcgagtccga ggatggtgcc gcgggcgccc tggatggagc aggaggggtc agagtattgg 180  
gaccgggaga cacggagcgc caggacacc gcacagattt tccgagtga tctgcggacg 240  
ctgcgcggct actacaatca gagcgaggcc

Sequence number : 48

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha 2$  domain

Sequence

```
gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccgacag gcgcttcctc      60
cgcggttatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg      120
cgctcctgga ccgcggtgga cactgcggct cagatctcca agcgcaagtg tgaggcggcc      180
tctgaggcgg agcaccagag agcctacctg gaagacacat gcgtggagtg gctccacaaa      240
tacctggaga aggggaagga gacgctgctt cacctg
```

Sequence number : 49

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha 3$  domain

Sequence

```
gagcccccaa agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg      60
tgctggggccc tgggttctta ccctgcggag atcacactga cctggcagca ggatggggag      120
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag      180
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag      240
catgaggggc taccgagcc cgtcacctg agatgg
```

Sequence number : 50

Sequence length : 192

Sequence type : DNA

Other information : Transmembrane domain

Sequence

```
aagccggctt ccagcccac catcccatc gtgggcatca ttgctggcct ggttctcctt      60
ggatctgtgg tctctggagc tgtggttgct gctgtgatat ggaggaagaa gagctcaggt      120
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccagggt gtctgagtct      180
cacagcttgt aa
```

Sequence number : 51

Sequence length : 21  
Sequence type : PRT  
Other information : SP of HLA-E

Sequence

Met Val Asp Gly Thr Leu Leu Leu Leu Leu Ser Glu Ala Leu Ala  
Leu Thr Gln Thr Trp Ala

Sequence number : 52  
Sequence length : 90  
Sequence type : PRT  
Other information :  $\alpha$ 1 domain

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ser Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 53  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 2 domain

Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Val Asp Thr Ala Ala Gln Ile Ser Glu Gln Lys Cys Asn Asp Ala  
Ser Glu Ala Glu His Gln Arg Ala Tyr Leu Glu Asp Thr Cys Val  
Glu Trp Leu His Lys Tyr Leu Glu Lys Gly Lys Glu Thr Leu Leu

## His Leu

Sequence number : 54  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain

### Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 55  
Sequence length : 63  
Sequence type : PRT  
Other information : Transmembrane domain

### Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser  
His Ser Leu \*

Sequence number : 56  
Sequence length : 63  
Sequence type : DNA  
Other information : SP of HLA-E

Sequence

atggtagatg gaaccctcct ttactcctc tcggaggccc tggcccttac ccagacctgg 60  
gcg

Sequence number : 57

Sequence length : 270

Sequence type : DNA

Other information :  $\alpha$ 1 domain

Sequence

ggctccact ccttgaagta ttccacact tccgtgtccc ggcccggccg cggggagccc 60  
cgcttcctct ctgtgggcta cgtggacgac acccagttcg tgcgcttcga caacgacgcc 120  
gcgagtccga ggatgggtgcc gcgggcgccg tggatggagc aggagggggtc agagtattgg 180  
gaccgggaga cacggagcgc caggacacc gcacagattt tccgagtga tctgcggacg 240  
ctgcgcggct actacaatca gagcgaggcc

Sequence number : 58

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha$ 2 domain

Sequence

gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccacag gcgcttcctc 60  
cgcggttatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg 120  
cgctctgga ccgcggtgga cacggcggtc cagatctccg agcaaaagtg taatgatgcc 180  
tctgaggcgg agcaccagag agcctacctg gaagacacat gcgtggagtg gctccacaaa 240  
tacctggaga aggggaagga gacgtgctt cacctg

Sequence number : 59

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha$ 3 domain

Sequence

gagccccaa agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg 60  
tgctgggccc tgggcttcta ccctgcggag atcacactga cctggcagca ggatggggag 120  
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag 180  
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag 240  
catgaggggc taccgagcc cgtcacctg agatgg

Sequence number : 60

Sequence length : 192

Sequence type : DNA

Other information : Transmembrane domain

Sequence

aagccggctt cccagcccac catccccatc gtgggcatca ttgctggcct ggttctcctt 60  
ggatctgtgg tctctggagc tgtggttctt gctgtgatat ggaggaagaa gagctcaggt 120  
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccaggg gtctgagtct 180  
cacagcttgt aa

Sequence number : 61

Sequence length : 24

Sequence type : PRT

Other information : Reformed SP

Sequence

Met Ala Val Met Ala Pro Arg Thr Leu Val Leu Leu Ser Gly  
Ala Leu Thr Leu Thr Glu Thr Trp Ala

Sequence number : 62

Sequence length : 90

Sequence type : PRT

Other information :  $\alpha$ 1 domain

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ser Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 63  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 2 domain  
Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Val Asp Thr Ala Ala Gln Ile Ser Glu Gln Lys Cys Asn Asp Ala  
Ser Glu Ala Glu His Gln Arg Ala Tyr Leu Glu Asp Thr Cys Val  
Glu Trp Leu His Lys Tyr Leu Glu Lys Gly Lys Glu Thr Leu Leu  
His Leu

Sequence number : 64  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain  
Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr

Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 65  
Sequence length : 63  
Sequence type : PRT  
Other information : Transmembrane domain

Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser  
His Ser Leu \*

Sequence number : 66  
Sequence length : 72  
Sequence type : DNA  
Other information : Reformatted SP

Sequence

atggcgggtca tggcgccccg aaccctcgctc ctgctactct cggggggccct gaccctgacc 60  
gagacctggg cg

Sequence number : 67  
Sequence length : 270  
Sequence type : DNA  
Other information :  $\alpha$ 1 domain

Sequence

ggctcccaact ccttgaagta tttccacact tccgtgtccc ggcccggccg cggggagccc 60  
cgcttcatct ctgtgggcta cgtggacgac acccagttcg tgcgttcga caacgacgcc 120  
gcgagtccga ggatgggtgcc gcggggcgccg tggatggagc aggagggggtc agagtattgg 180



gaccgggaga cacggagcgc cagggacacc gcacagattt tccgagtga tctgcggacg 240  
ctgcgcggct actacaatca gagcgaggcc

Sequence number : 68  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 2 domain

Sequence

gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccgacag gcgcttcctc 60  
cgcggttatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg 120  
cgctcctgga ccgcggtgga cacggcggct cagatctccg agcaaaagtg taatgatgcc 180  
tctgaggcgg agcaccagag agcctacctg gaagacacat gcgtggagtg gctccacaaa 240  
tacctggaga aggggaagga gacgctgctt cacctg

Sequence number : 69  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 3 domain

Sequence

gagccccaa agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg 60  
tgctgggccc tgggcttcta ccctgcggag atcacactga cctggcagca ggatggggag 120  
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag 180  
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag 240  
catgaggggc tacccgagcc cgtcaccctg agatgg

Sequence number : 70  
Sequence length : 192  
Sequence type : DNA  
Other information : Transmembrane domain

Sequence

aagccggtt cccagccac catcccatc gtgggcatca ttgtggcct ggttctcct 60  
ggatctgtgg tctctggagc tgtggttgct gctgtgatat ggaggaagaa gagtcaggt 120  
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccaggg gtctgagtct 180  
cacagcttgt aa

Sequence number : 71  
Sequence length : 21  
Sequence type : PRT  
Other information : SP of HLA-E

#### Sequence

Met Val Asp Gly Thr Leu Leu Leu Leu Ser Glu Ala Leu Ala  
Leu Thr Gln Thr Trp Ala

Sequence number : 72  
Sequence length : 90  
Sequence type : PRT  
Other information :  $\alpha$ 1 domain

#### Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ala Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 73  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 2 domain

#### Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Val Asp Thr Ala Ala Gln Ile Ser Glu Gln Lys Cys Asn Asp Ala  
Ser Glu Ala Glu His Gln Arg Ala Tyr Leu Glu Asp Thr Cys Val  
Glu Trp Leu His Lys Tyr Leu Glu Lys Gly Lys Glu Thr Leu Leu  
His Leu

Sequence number : 74  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain  
Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 75  
Sequence length : 63  
Sequence type : PRT  
Other information : Transmembrane domain  
Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser

His Ser Leu \*

Sequence number : 76

Sequence length : 63

Sequence type : DNA

Other information : SP of HLA-E

Sequence

atggtagatg gaacctctct ttactctc tcggaggccc tggccttac ccagacctgg 60  
gcg

Sequence number : 77

Sequence length : 270

Sequence type : DNA

Other information :  $\alpha$ 1 domain

Sequence

ggctccact ccttgaagta ttccacact gccgtgtccc ggcccggccg cggggagccc 60  
cgcttcctct ctgtgggcta cgtggacgac acccagttcg tgcgcttga caacgacgcc 120  
gcgagtccga ggatgggtgcc gcggggcggc tggatggagc aggaggggtc agagtattgg 180  
gaccgggaga cacggagcgc caggacacc gcacagattt tccgagtga tctgcggacg 240  
ctgcgcggct actacaatca gagcgaggcc

Sequence number : 78

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha$ 2 domain

Sequence

gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccacag gcgcttcctc 60  
cgcggttatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg 120  
cgctcctgga ccgcggtgga cacggcggct cagatctccg agcaaaagtg taatgatgcc 180  
tctgaggcgg agcaccagag agcctacctg gaagacacat gcgtggagtg gctccacaaa 240

tacctggaga aggggaagga gacgtgctt cacctg

Sequence number : 79

Sequence length : 276

Sequence type : DNA

Other information :  $\alpha$ 3 domain

Sequence

```
gagccccaa agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg      60
tgctgggccc tgggcttcta ccctgcgag atcacactga cctggcagca ggatggggag      120
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttccag      180
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag      240
catgaggggc taccgagcc cgtcacctg agatgg
```

Sequence number : 80

Sequence length : 192

Sequence type : DNA

Other information : Transmembrane domain

Sequence

```
aagccggctt cccagccac catcccatc gtgggcatca ttgctggcct ggttctcctt      60
ggatctgtgg tctctggagc tgtggtgct gctgtgatat ggaggaagaa gagctcaggt      120
ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccaggg gtctgagtct      180
cacagcttgt aa
```

Sequence number : 81

Sequence length : 24

Sequence type : PRT

Other information : Reformed SP

Sequence

Met Ala Val Met Ala Pro Arg Thr Leu Val Leu Leu Leu Ser Gly  
Ala Leu Thr Leu Thr Glu Thr Trp Ala

Sequence number : 82  
Sequence length : 90  
Sequence type : PRT  
Other information :  $\alpha$ 1 domain

Sequence

Gly Ser His Ser Leu Lys Tyr Phe His Thr Ala Val Ser Arg Pro  
Gly Arg Gly Glu Pro Arg Phe Ile Ser Val Gly Tyr Val Asp Asp  
Thr Gln Phe Val Arg Phe Asp Asn Asp Ala Ala Ser Pro Arg Met  
Val Pro Arg Ala Pro Trp Met Glu Gln Glu Gly Ser Glu Tyr Trp  
Asp Arg Glu Thr Arg Ser Ala Arg Asp Thr Ala Gln Ile Phe Arg  
Val Asn Leu Arg Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala

Sequence number : 83  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 2 domain

Sequence

Gly Ser His Thr Leu Gln Trp Met His Gly Cys Glu Leu Gly Pro  
Asp Arg Arg Phe Leu Arg Gly Tyr Glu Gln Phe Ala Tyr Asp Gly  
Lys Asp Tyr Leu Thr Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala  
Val Asp Thr Ala Ala Gln Ile Ser Glu Gln Lys Cys Asn Asp Ala  
Ser Glu Ala Glu His Gln Arg Ala Tyr Leu Glu Asp Thr Cys Val  
Glu Trp Leu His Lys Tyr Leu Glu Lys Gly Lys Glu Thr Leu Leu  
His Leu

Sequence number : 84  
Sequence length : 92  
Sequence type : PRT  
Other information :  $\alpha$ 3 domain

#### Sequence

Glu Pro Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His  
Glu Ala Thr Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu  
Ile Thr Leu Thr Trp Gln Gln Asp Gly Glu Gly His Thr Gln Asp  
Thr Glu Leu Val Glu Thr Arg Pro Ala Gly Asp Gly Thr Phe Gln  
Lys Trp Ala Ala Val Val Val Pro Ser Gly Glu Glu Gln Arg Tyr  
Thr Cys His Val Gln His Glu Gly Leu Pro Glu Pro Val Thr Leu  
Arg Trp

Sequence number : 85

Sequence length : 63

Sequence type : PRT

Other information : Transmembrane domain

#### Sequence

Lys Pro Ala Ser Gln Pro Thr Ile Pro Ile Val Gly Ile Ile Ala  
Gly Leu Val Leu Leu Gly Ser Val Val Ser Gly Ala Val Val Ala  
Ala Val Ile Trp Arg Lys Lys Ser Ser Gly Gly Lys Gly Gly Ser  
Tyr Ser Lys Ala Glu Trp Ser Asp Ser Ala Gln Gly Ser Glu Ser  
His Ser Leu \*

Sequence number : 86

Sequence length : 73

Sequence type : DNA

Other information : Reformed SP

#### Sequence

atggcgggtca tggcgccccg aaccctcgtc ctgctactct cgggggccct gacctgacc 60  
gagacctggg cg

Sequence number : 87

Sequence length : 270

Sequence type : DNA  
Other information :  $\alpha$ 1 domain

Sequence

```
ggctccact ccttgaagta ttccacact gccgtgtccc ggcccggccg cggggagccc      60
cgcttcatt ctgtgggcta cgtggacgac acccagttcg tgcgcttcga caacgacgcc      120
gcgagtccga ggatggtgcc gcgggcgccc tggatggagc aggaggggtc agagtattgg      180
gaccgggaga cacggagcgc cagggacacc gcacagattt tccgagtga tctgcggacg      240
ctgcgcggct actacaatca gagcgaggcc
```

Sequence number : 88  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 2 domain

Sequence

```
gggtctcaca ccctgcagtg gatgcatggc tgcgagctgg ggcccacag gcgcttctc      60
cgcggtatg aacagttcgc ctacgacggc aaggattatc tcacctgaa tgaggacctg      120
cgctcctgga ccgcggtgga cacggcggct cagatctccg agcaaaagt g taatgatgcc      180
tctgaggcgg agcaccagag agcctacctg gaagacacat gcgtggagtg gctccacaaa      240
tacctggaga aggggaagga gacgtgctt cacctg
```

Sequence number : 89  
Sequence length : 276  
Sequence type : DNA  
Other information :  $\alpha$ 3 domain

Sequence

```
gagcccccac agacacacgt gactcaccac cccatctctg accatgaggc caccctgagg      60
tgctgggccc tgggcttcta ccctgcggag atcacactga cctggcagca ggatggggag      120
ggccataccc aggacacgga gctcgtggag accaggcctg caggggatgg aaccttcag      180
aagtgggcag ctgtggtggt gccttctgga gaggagcaga gatacacgtg ccatgtgcag      240
catgaggggc tacccgagcc cgtcaccctg agatgg
```



Sequence number : 90

Sequence length : 192

Sequence type : DNA

Other information : Transmembrane domain

Sequence

aagccggctt cccagccac catcccatc gtgggcatca ttgtggcct ggttctcctt 60

ggatctgtgg tctctggagc tgtggttgct gctgtgatat ggaggaagaa gagctcaggt 120

ggaaaaggag ggagctactc taaggctgag tggagcgaca gtgccagggt gtctgagtct 180

cacagcttgt aa